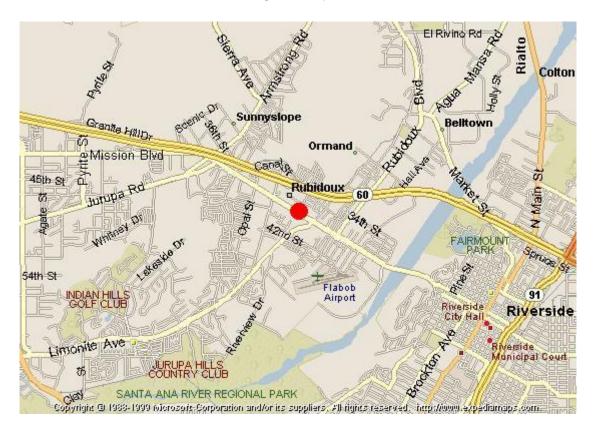
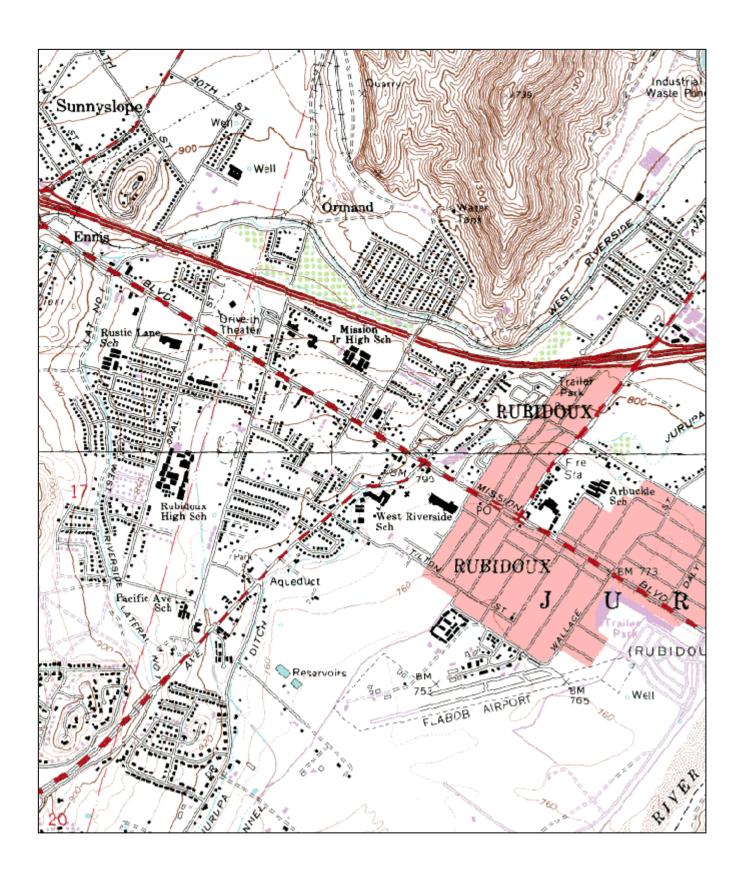
Quality Assurance Site Survey Report for Riverside-Rubidoux

Last updated May, 2017



AQS ID	ARB Number	Site Start Date	Reporting Agency and Agency Code
060658001	33144	09/1972	South Coast AQMD (061)

Site Address	County	Air Basin	Latitude	Longitude	Elevation
5888 Mission Blvd Riverside, CA 92509	Riverside	South Coast	33° 59' 58"N	117° 24' 57"W	248



Detailed Site Information

Local site name		Riverside	Riverside-Rubidoux			
AQS ID			060658001			
		Latitude: 33° 59' 58" Longitude: 117° 24' 57"				
Street Address			5888 Mission Blvd, Riverside, CA 92509			
County		Riverside		- / / /		
Distance to roadways (r	meters)	119; 686				
Traffic count (AADT, y			2012; 60/Valley Way, 14	5.000, 2011		
Groundcover	(001)	Gravel	=01 2 , 00, valley (vay, 1.	2011		
(e.g. asphalt, dirt, sand)		014.01				
Representative statistica		40140-R	iverside-San Bernardino-	Ontario, CA MSA		
(i.e. MSA, CBSA, other				,		
Pollutant, POC	Carbon Mon	oxide, 1	Nitrogen Dioxide, 2	Ozone, 1		
Primary / QA	N/A	,	N/A	N/A		
Collocated / Other	-					
Parameter code	42101		42602	44201		
Basic monitoring	NAAQS		NAAQS	NAAQS		
objective(s)						
Site type(s)	Population E	Exposure	Population Exposure	Highest		
		•		Concentration		
Monitor (type)	SLAMS		SLAMS	SLAMS		
Network affiliation	PAMS/NATT	S/NCore	PAMS/NATTS/NCore	PAMS/NATTS/NCore		
Instrument	Horiba APM	IA 370	Thermo 42i	Thermo 49i		
manufacturer and						
model						
Method code	158		074	047		
FRM/FEM/ARM/	FRM		FRM	FEM		
other						
Collecting Agency	SCAQMD		SCAQMD	SCAQMD		
Analytical Lab	N/A		N/A	N/A		
(i.e.weigh lab, toxics						
lab, other)						
Reporting Agency	SCAQMD		SCAQMD	SCAQMD		
Spatial scale (e.g.	Neighborhoo	od	Urban	Urban		
micro, neighborhood)						
Monitoring start date	09/1972		09/1972	09/1972		
(MM/DD/YYYY)	1.1		1.1	1.1		
Current sampling	1:1		1:1	1:1		
frequency (e.g.1:3,						
Coloulated compling	N/A		N/A	N/A		
Calculated sampling	IN/A		IN/A	IN/A		
frequency (e.g. 1:3/1:1)						
Sampling season	01/01-12/31		01/01-12/31	01/01-12/31		
(MM/DD-MM/DD)	01/01-12/31		01/01-12/31	01/01-12/31		
Probe height (meters)	4		4	4		
Distance from	1.52		1.52	1.52		
supporting structure	1.52		1.32	1.52		
(meters)						
Distance from	N/A		N/A	N/A		
obstructions on roof				- "		
(meters)						
	I		ı	1	ı	

Distance from obstructions not on	N/A	N/A	N/A	
roof (meters)				
Distance from trees	N/A	N/A	N/A	
(meters)				
Distance to furnace or	N/A	N/A	N/A	
incinerator flue				
(meters)	NT/A	37/4	NT/A	
Distance between collocated monitors	N/A	N/A	N/A	
(meters)				
Unrestricted airflow	360°	360°	360°	
(degrees)	200	300	300	
Probe material for	Teflon	Teflon	Teflon	
reactive gases				
(e.g. Pyrex, stainless				
steel, Teflon)				
Residence time for	7.3	9.2	8.4	
reactive gases				
(seconds) Will there be changes	No	No	No	
within the next 18	140	140	140	
months? (Y/N)				
Is it suitable for	N/A	N/A	N/A	
comparison against				
the annual PM2.5?				
(Y/N)	NY/A	37/4	27/4	
Frequency of flow rate verification for	N/A	N/A	N/A	
manual PM samplers				
Frequency of flow	N/A	N/A	N/A	
rate verification for	14/11	14/11	14/11	
automated PM				
analyzers				
Frequency of one-	Nightly	Nightly	Nightly	
point QC check for				
gaseous instruments	02/20/2016	02/20/2016	02/20/2016	
Last Annual	03/30/2016	03/30/2016	03/30/2016	
Performance Evaluation for				
gaseous parameters				
(MM/DD/YYYY)				
Last two semi-annual	N/A	N/A	N/A	
flow rate audits for				
PM monitors				
(MM/DD/YYYY,				
MM/DD/YYYY)				

Pollutant, POC	Continuous PM2.5, PM Coarse, 9	Continuous PM2.5, 3	Continuous PM10, PM Coarse, 9	24 Hour VOCs, 4
Primary / QA	Other	Other	Other	N/A
Collocated / Other				

Parameter code	88502	88502	85101	See Table 26
Basic monitoring	NAAQS	NAAQS	NAAQS	NAAQS/Research
objective(s)				Support
Site type(s)	Highest	Highest	Highest	Highest
	Concentration	Concentration	Concentration	Concentration
Monitor (type)	SLAMS	SPM	SLAMS	SLAMS
Network affiliation	N/A	N/A	N/A	NATTS
Instrument	Met One BAM 1020	Thermo BAM 5014i	Met One BAM 1020	RM Env. 910
manufacturer and				
model				
Method code	170	183	122	See Table 26
FRM/FEM/ARM/	FEM	FEM	FEM	Other
other				
Collecting Agency	SCAQMD	SCAQMD	SCAQMD	SCAQMD
Analytical Lab	N/A	N/A	N/A	SCAQMD
(i.e.weigh lab, toxics				
lab, other)				
Reporting Agency	SCAQMD	SCAQMD	SCAQMD	SCAQMD
Spatial scale (e.g.	Neighborhood	Neighborhood	Neighborhood	Neighborhood
micro, neighborhood)				
Monitoring start date	12/2008	02/2006	07/30/2011	09/2007
(MM/DD/YYYY)				
Current sampling	1:1	1:1	1:1	1:6
frequency (e.g.1:3,				
continuous)				
Calculated sampling	N/A	N/A	N/A	N/A
frequency				
(e.g. 1:3/1:1)				
Sampling season	01/01-12/31	01/01-12/31	01/01-12/31	01/01-12/31
(MM/DD-MM/DD)				
Probe height (meters)	4	4	4	4
Distance from	2	2	2	1
supporting structure				
(meters)				
Distance from	N/A	N/A	N/A	N/A
obstructions on roof				
(meters)				
Distance from	N/A	N/A	N/A	N/A
obstructions not on				
roof (meters)				
Distance from trees	N/A	N/A	N/A	N/A
(meters)				
Distance to furnace or	N/A	N/A	N/A	N/A
incinerator flue				
(meters)				
Distance between	1(Flow <200 lpm)	1(Flow <200 lpm)	4	N/A
collocated monitors				
(meters)				
Unrestricted airflow	360°	360°	360°	360°
(degrees)				
Probe material for	N/A	N/A	N/A	Stainless steel
reactive gases				
(e.g. Pyrex, stainless				
steel, Teflon)				

Residence time for reactive gases (seconds)	N/A	N/A	N/A	8.4
Will there be changes within the next 18 months? (Y/N)	No	No	No	No
Is it suitable for comparison against the annual PM2.5? (Y/N)	No, unless the manual sampler has missing data.	N/A	No	N/A
Frequency of flow rate verification for manual PM samplers	N/A	N/A	N/A	N/A
Frequency of flow rate verification for automated PM analyzers	Monthly	Monthly	Monthly	N/A
Frequency of one- point QC check for gaseous instruments	N/A	N/A	N/A	Semi Annually
Last Annual Performance Evaluation for gaseous parameters (MM/DD/YYYY)	N/A	N/A	N/A	N/A
Last two semi-annual flow rate audits for PM monitors (MM/DD/YYYY, MM/DD/YYYY)	06/16/2016, 12/09/2016	06/16/2016, 12/09/2016	06/16/2016, 12/09/2016	N/A

Pollutant, POC	24 Hour VOCs, 8	24 Hour VOCs, 2	3 Hour VOCs, 1	
Primary / QA	QA Collocated	N/A	N/A	
Collocated / Other				
Parameter code	See Table 26	See Table 26	See Table 26	
Basic monitoring	Research support	Research support	Research support	
objective(s)				
Site type(s)	Highest	Highest	Highest	
	Concentration	Concentration	Concentration	
Monitor (type)	SLAMS	SLAMS	SLAMS	
Network affiliation	NATTS	PAMS	PAMS	
Instrument	RM Env. 910	RM Env. 910	RM Env. 910/912	
manufacturer and			hour	
model				
Method code	See Table 26	See Table 26	See Table 26	
FRM/FEM/ARM/	Other	Other	Other	
other				
Collecting Agency	SCAQMD	SCAQMD	SCAQMD	
Analytical Lab	SCAQMD	SCAQMD	SCAQMD	
(i.e.weigh lab, toxics				
lab, other)				

Reporting Agency	SCAQMD	SCAQMD	SCAQMD
Spatial scale (e.g.	Neighborhood	Neighborhood	Neighborhood
micro, neighborhood)			
Monitoring start date	11/2004	07/2009	06/2009
(MM/DD/YYYY)			
Current sampling	1:Every other month	1:6	1:3 Intensive season
frequency (e.g.1:3,	J		
continuous)			
Calculated sampling	N/A	N/A	N/A
frequency		- " - "	
(e.g. 1:3/1:1)			
Sampling season	01/01-12/31	01/01-12/31	07/01-09/30
(MM/DD-MM/DD)			
Probe height (meters)	4	4	4
Distance from	1	1	1
supporting structure			
(meters)			
Distance from	N/A	N/A	N/A
obstructions on roof	- 1/11	- 1/ - 1	- " - "
(meters)			
Distance from	N/A	N/A	N/A
obstructions not on	1771	1 1 1 1	
roof (meters)			
Distance from trees	N/A	N/A	N/A
(meters)	14/11	1 1 1 1	1771
Distance to furnace or	N/A	N/A	N/A
incinerator flue	14/11	14/11	17/1
(meters)			
Distance between	N/A	N/A	N/A
collocated monitors	14/11	14/11	17/1
(meters)			
Unrestricted airflow	360°	360°	360°
(degrees)	300	300	300
Probe material for	Stainless steel	Stainless steel	Stainless steel
reactive gases	Stanness steer	Stanness steer	Stamess steel
(e.g. Pyrex, stainless			
steel, Teflon)			
Residence time for	8.3	6.3	6.3
reactive gases			
(seconds)			
Will there be changes	No	No	No
within the next 18	- 10	- 10	
months? (Y/N)			
Is it suitable for	N/A	N/A	N/A
comparison against	··	=	
the annual PM2.5?			
(Y/N)			
Frequency of flow	N/A	N/A	N/A
rate verification for	··	= =	"
manual PM samplers			
Frequency of flow	N/A	N/A	N/A
rate verification for	= " • •	- "	[
automated PM			
analyzers			
	1	_1	

Frequency of one-	Semi Annually	Semi Annually	Semi Annually	
point QC check for				
gaseous instruments				
Last Annual	N/A	N/A	N/A	
Performance				
Evaluation for				
gaseous parameters				
(MM/DD/YYYY)				
Last two semi-annual	N/A	N/A	N/A	
flow rate audits for				
PM monitors				
(MM/DD/YYYY,				
MM/DD/YYYY)				

Pollutant, POC	VOCs, N/A	24 Hour PM2.5, 2	24 Hour PM2.5, 1	Speciated PM2.5, 11
Primary / QA	N/A	QA Collocated	Primary	Primary
Collocated / Other				-
Parameter code	N/A	88101	88101	See Table 26
Basic monitoring	Research support	NAAQS	NAAQS	Research support
objective(s)				
Site type(s)	Highest	Highest	Highest	Highest
	Concentration	Concentration	Concentration	Concentration
Monitor (type)	SLAMS	SLAMS	SLAMS	SLAMS
Network Affiliation	CA Air Toxics	N/A	N/A	N/A
Instrument	RM Env. 910	Thermo 2025i	Thermo 2025i	Met One SASS
manufacturer and		PM2.5, B Sampler	PM2.5, A Sampler	
model		QA Collocated		
Method code	N/A	118, 145	118, 145	See Table 26
FRM/FEM/ARM/	Other	FRM	FRM	Other
other				
Collecting Agency	SCAQMD	SCAQMD	SCAQMD	SCAQMD
Analytical Lab	ARB Toxics	SCAQMD	SCAQMD	SCAQMD
(i.e.weigh lab, toxics				
lab, other)				
Reporting Agency	ARB	SCAQMD	SCAQMD	SCAQMD
Spatial scale (e.g.	Neighborhood	Neighborhood	Neighborhood	Neighborhood
micro, neighborhood)				
Monitoring start date	01/1989	01/03/1999	12/04/1998	10/13/2004
(MM/DD/YYYY)				
Current sampling	1:12	1:6	1:1	1:6
frequency (e.g.1:3,				
continuous)				
Calculated sampling	N/A	1:6	1:3	No CFR mandated
frequency				sampling schedule.
(e.g. 1:3/1:1)	0.1/0.1.1.2/0.1	0.1/0.1.10.1	0.1/0.1.10/0.1	
Sampling season	01/01-12/31	01/01-12/31	01/01-12/31	01/01-12/31
(MM/DD-MM/DD)				
Probe height (meters)	4	3	3	3
Distance from	1	1.6	1.6	1.6
supporting structure				
(meters)	37/4	NY/A	NY/A	NY/A
Distance from	N/A	N/A	N/A	N/A
obstructions on roof				
(meters)				

Distance from	N/A	N/A	N/A	N/A
obstructions not on	1,111	1,712		
roof (meters)				
Distance from trees	N/A	10	10	10
(meters)	1,111			
Distance to furnace or	N/A	N/A	N/A	N/A
incinerator flue	1011	1,71	1771	14/11
(meters)				
Distance between	N/A	1.5(Flow <200 lpm)	1.5(Flow <200 lpm)	2
collocated monitors	1,111	110 (110 W 3200 Ipin)	110(11011 (200 17111)	_
(meters)				
Unrestricted airflow	360°	360°	360°	360°
(degrees)				
Probe material for	Stainless steel	N/A	N/A	N/A
reactive gases				
(e.g. Pyrex, stainless				
steel, Teflon)				
Residence time for	8.3	N/A	N/A	N/A
reactive gases				
(seconds)				
Will there be changes	No	No	No	No
within the next 18				
months? (Y/N)				
Is it suitable for	N/A	Yes	Yes	N/A
comparison against				
the annual PM2.5?				
(Y/N)				
Frequency of flow	N/A	Monthly	Monthly	Monthly
rate verification for				
manual PM samplers				
Frequency of flow	N/A	N/A	N/A	N/A
rate verification for				
automated PM				
analyzers				
Frequency of one-	Semi Annually	N/A	N/A	N/A
point QC check for				
gaseous instruments				
Last Annual	N/A	N/A	N/A	N/A
Performance				
Evaluation for				
gaseous parameters				
(MM/DD/YYYY)				
Last two semi-annual	N/A	04/28/2016	04/28/2016	04/28/2016
flow rate audits for		11/04/2016	11/04/2016	11/04/2016
PM monitors				
(MM/DD/YYYY,				
MM/DD/YYYY)				

Pollutant, POC	Speciated PM2.5,	Speciated PM2.5,	PM2.5 Carbon, N/A	PM2.5 Carbon, N/A
	N/A	N/A		
Primary / QA	Primary	QA Collocated	Primary	QA Collocated
Collocated / Other				
Parameter code	N/A	N/A	N/A	N/A
Basic monitoring	NAAQS/Research	NAAQS/Research	NAAQS/Research	NAAQS/Research
objective(s)	support	support	support	support

Site type(s)	Highest	Highest	Highest	Highest
3.6 1. ()	Concentration	Concentration	Concentration	Concentration
Monitor (type)	Research Support	Research Support	Research Support	Research Support
Network affiliation	STN	STN	STN	STN
Instrument	Met One SASS,	Met One SASS,	URG-3000N,	URG-3000N,
manufacturer and model	A Sampler	B Sampler	A Sampler	B Sampler
Method code	N/A	N/A	N/A	N/A
FRM/FEM/ARM/ other	Other	Other	Other	Other
Collecting Agency	SCAQMD	SCAQMD	SCAQMD	SCAQMD
Analytical Lab	EPA STN	EPA STN	EPA STN	EPA STN
(i.e.weigh lab, toxics lab, other)				
Reporting Agency	EPA	EPA	EPA	EPA
Spatial scale (e.g.	Neighborhood	Neighborhood	Neighborhood	Neighborhood
micro, neighborhood)	1,0151100111000	110151100111000	110151100111000	110161100111000
Monitoring start date (MM/DD/YYYY)	03/2001	03/2001	05/2007	05/2007
Current sampling	1:3	1:6	1:3	1:6
frequency (e.g.1:3, continuous)	1.5	1.0	1.3	1.0
Calculated sampling	1:3	1:3	1:3	1:3
frequency				
(e.g. 1:3/1:1)				
Sampling season (MM/DD-MM/DD)	01/01-12/31	01/01-12/31	01/01-12/31	01/01-12/31
Probe height (meters)	3.0	3.0	3.0	3.0
Distance from	2.0	2.0	2.0	2.0
supporting structure (meters)				
Distance from	N/A	N/A	N/A	N/A
obstructions on roof				- "
(meters)				
Distance from	N/A	N/A	N/A	N/A
obstructions not on roof (meters)				1771
Distance from trees	N/A	N/A	N/A	N/A
(meters)				
Distance to furnace or	N/A	N/A	N/A	N/A
incinerator flue	1,712	1,712	1,712	1771
(meters)				
Distance between	1.5(Flow <200 lpm)	1.5(Flow <200 lpm)	1.5(Flow <200 lpm)	1.5(Flow <200 lpm)
collocated monitors	1.5(110 W (200 1pm)	1.5(11011 (200 1pm)	1.5(11011 (200 1pm)	1.5(110 % (200 1pm)
(meters)				
Unrestricted airflow	360°	360°	360°	360°
(degrees)	300	300	300	
Probe material for	N/A	N/A	N/A	N/A
reactive gases		- "	- "	- "
(e.g. Pyrex, stainless				
steel, Teflon)				
Residence time for	N/A	N/A	N/A	N/A
	1/11	4 1/ 4 1	11/11	4 1/ 4 3
reactive gases				

Will there be changes within the next 18 months? (Y/N)	No	No	No	No
Is it suitable for comparison against the annual PM2.5? (Y/N)	N/A	N/A	N/A	N/A
Frequency of flow rate verification for manual PM samplers	Monthly	Monthly	Monthly	Monthly
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	N/A	N/A
Frequency of one- point QC check for gaseous instruments	N/A	N/A	N/A	N/A
Last Annual Performance Evaluation for gaseous parameters (MM/DD/YYYY)	N/A	N/A	N/A	N/A
Last two semi-annual flow rate audits for PM monitors (MM/DD/YYYY, MM/DD/YYYY)	04/28/2016 11/04/2016	04/28/2016 11/04/2016	N/A	N/A

Pollutant, POC	Lead, 2	PM10, 2	PM10, 4	Metals, CR6,
				Carbonyls, 1
Primary / QA	N/A	Primary	QA Collocated	Primary
Collocated / Other				
Parameter code	14129	See Table 26	See Table 26	See Table 26
Basic monitoring	NAAQS	NAAQS	NAAQS	NAAQS
objective(s)				
Site type(s)	Population Exposure	Highest	Highest	Highest
		Concentration	Concentration	Concentration
Monitor (type)	SLAMS	SLAMS	SLAMS	NATTS
Network affiliation	N/A	N/A	N/A	N/A
Instrument	GMW 1200 TSP	Sierra Andersen 1200	Sierra Andersen 1200	RM Env. 924, A
manufacturer and		SSI, A Sampler	SSI, B Sampler	Sampler
model			•	1
Method code	110	063, 102	063, 102	See Table 26
FRM/FEM/ARM/	FRM	FRM	FRM	Other
other				
Collecting Agency	SCAQMD	SCAQMD	SCAQMD	SCAQMD
Analytical Lab	SCAQMD	SCAQMD	SCAQMD	SCAQMD
(i.e.weigh lab, toxics				
lab, other)				
Reporting Agency	SCAQMD	SCAQMD	SCAQMD	SCAQMD
Spatial scale (e.g.	Neighborhood	Neighborhood	Neighborhood	Neighborhood
micro, neighborhood)				
Monitoring start date	09/06/1990	01/01/1988	01/01/1988	01/2007
(MM/DD/YYYY)				

Current sampling	1:6	1:3	1:6	1:6
frequency (e.g.1:3,	1.0	1.3	1.0	1.0
continuous)				
Calculated sampling	1:6	1:6	1:6	No CFR mandated
frequency	1.0	1.0	1.0	sampling schedule.
(e.g. 1:3/1:1)				sampling selecture.
Sampling season	01/01-12/31	01/01-12/31	01/01-12/31	01/01-12/31
(MM/DD-MM/DD)	01/01 12/31	01/01 12/31	01/01 12/31	01/01 12/31
Probe height (meters)	3.0	3.0	3.0	3.0
Distance from	2.0	2.0	2.0	2.0
supporting structure	2.0	2.0	2.0	2.0
(meters)				
Distance from	N/A	N/A	N/A	N/A
obstructions on roof	IV/A	IV/A	14/74	IV/A
(meters)				
Distance from	N/A	N/A	N/A	N/A
obstructions not on	11/11	14/11	14/11	17/11
roof (meters)				
Distance from trees	10	10	10	10
(meters)		10		10
Distance to furnace or	N/A	N/A	N/A	N/A
incinerator flue	11/11	14/11	14/11	17/11
(meters)				
Distance between	N/A	4	4	4
collocated monitors	11/11	T	-	-
(meters)				
Unrestricted airflow	360°	360°	360°	360°
(degrees)	300	300	300	360
Probe material for	N/A	N/A	N/A	N/A
reactive gases	11/11	11/11	1 1/11	17/11
(e.g. Pyrex, stainless				
steel, Teflon)				
Residence time for	N/A	N/A	N/A	N/A
reactive gases		1		
(seconds)				
Will there be changes	No	No	No	No
within the next 18				
months? (Y/N)				
Is it suitable for	N/A	N/A	N/A	N/A
comparison against				
the annual PM2.5?				
(Y/N)				
Frequency of flow	Monthly	Monthly	Monthly	Monthly
rate verification for	_			
manual PM samplers				
Frequency of flow	N/A	N/A	N/A	N/A
rate verification for				
automated PM				
analyzers				
Frequency of one-	N/A	N/A	N/A	N/A
point QC check for				
gaseous instruments				

Last Annual	N/A	N/A	N/A	N/A
Performance				
Evaluation for				
gaseous parameters				
(MM/DD/YYYY)				
Last two semi-annual	04/28/2016,	04/28/2016,	04/28/2016,	N/A
flow rate audits for	11/04/2016	11/04/2016	11/04/2016	
PM monitors				
(MM/DD/YYYY,				
MM/DD/YYYY)				

Pollutant, POC	Metals, CR6,	Metals, CR6,	Polycyclic Aromatic	Polycyclic Aromatic
	Carbonyls, 2	Carbonyls, N/A	Hydrocarbons, 1	Hydrocarbons, 2
Primary / QA Collocated / Other	QA Collocated	Primary	Primary	QA Collocated
Parameter code	See Table 26	N/A	N/A	N/A
Basic monitoring objective(s)	NAAQS	Research support	Research support	Research support
Site type(s)	Highest Concentration	Highest Concentration	Highest Concentration	Highest Concentration
Monitor (type)	SLAMS	SLAMS	SLAMS	SLAMS
Network affiliation	NATTS	CA Air Toxics	NATTS	NATTS
Instrument manufacturer and model	RM Env. 924, B Sampler	RM Env. 924	Tisch Env. PUF, A Sampler	Graseby PUF, B Sampler
Method code	See Table 26	N/A	N/A	N/A
FRM/FEM/ARM/ other	Other	Other	Other	Other
Collecting Agency	SCAQMD	SCAQMD	SCAQMD	SCAQMD
Analytical Lab (i.e.weigh lab, toxics lab, other)	SCAQMD	ARB Toxics	ERG North Carolina	ERG North Carolina
Reporting Agency	SCAQMD	ARB	ERG North Carolina	ERG North Carolina
Spatial scale (e.g. micro, neighborhood)	Neighborhood	Neighborhood	Neighborhood	Neighborhood
Monitoring start date (MM/DD/YYYY)	01/2007	01/1989	07/2007	07/2007
Current sampling frequency (e.g.1:3, continuous)	1:Every other month	1:12	1:6	1:Every other month
Calculated sampling frequency (e.g. 1:3/1:1)	No CFR mandated sampling schedule.			
Sampling season (MM/DD-MM/DD)	01/01-12/31	01/01-12/31	01/01-12/31	01/01-12/31
Probe height (meters)	3	3	3	3
Distance from supporting structure (meters)	2	2	2	2
Distance from obstructions on roof (meters)	N/A	N/A	N/A	N/A

Distance from	N/A	N/A	N/A	N/A
obstructions not on	14/11	14/11	11/11	14/11
roof (meters)				
Distance from trees	N/A	N/A	N/A	N/A
(meters)	IV/A	11/11	IV/A	IV/A
Distance to furnace or	N/A	N/A	N/A	N/A
incinerator flue	IV/A	IN/A	IV/A	IV/A
(meters)				
Distance between	3	3	3	3
collocated monitors	3	3	3	3
(meters)				
Unrestricted airflow	360°	360°	360°	360°
(degrees)	300	300	300	300
Probe material for	N/A	N/A	N/A	N/A
reactive gases	IN/A	IV/A	IV/A	IV/A
(e.g. Pyrex, stainless steel, Teflon)				
Residence time for	N/A	N/A	N/A	N/A
reactive gases	IN/A	IN/A	IN/A	IN/A
(seconds)				
Will there be changes	No	No	No	No
within the next 18	NO	NO	No	NO
months? (Y/N)				
Is it suitable for	N/A	N/A	N/A	N/A
comparison against	IN/A	IN/A	IN/A	N/A
the annual PM2.5?				
(Y/N)				
Frequency of flow	Monthly	N/A	Monthly	Monthly
rate verification for	Wionuny	11/11	Wildhung	Within
manual PM samplers				
Frequency of flow	N/A	N/A	N/A	N/A
rate verification for	IV/A	11/11	IV/A	IV/A
automated PM				
analyzers				
Frequency of one-	N/A	N/A	N/A	N/A
point QC check for	11/11	13/13	11/11	17/11
gaseous instruments				
Last Annual	N/A	N/A	N/A	N/A
Performance	11/11	11/11	11/11	13/21
Evaluation for				
gaseous parameters				
(MM/DD/YYYY)				
Last two semi-annual	N/A	N/A	N/A	N/A
flow rate audits for	- "	1,72		1 ,,12
PM monitors				
(MM/DD/YYYY,				
MM/DD/YYYY)				
		1	<u> </u>	•

Pollutant, POC	Carbon Monoxide, 9	Sulfur Dioxide, 9	NOY, 9	
Primary / QA	N/A	N/A	N/A	
Collocated / Other				
Parameter code	42101	42401	42612	
Basic monitoring objective(s)	NAAQS	NAAQS	NAAQS	
Site type(s)	Population Exposure	Population Exposure	Population Exposure	

Monitor (type)	SLAMS	SLAMS	SLAMS	
Network affiliation	NCore	NCore	NCore	
Instrument	Teledyne 300EU	Thermo 43i-TLE	Thermo 42i-Y	
manufacturer and	101003110 20022	111011110 101 122	1	
model				
Method code	593	560	574	
FRM/FEM/ARM/	FRM	FEM	N/A	
other			1,11	
Collecting Agency	SCAQMD	SCAQMD	SCAQMD	
Analytical Lab	N/A	N/A	N/A	
(i.e.weigh lab, toxics	14/74	IV/A	IV/A	
lab, other)				
Reporting Agency	SCAQMD	SCAQMD	SCAQMD	
Spatial scale (e.g.	Neighborhood	Neighborhood	Urban	
micro, neighborhood)	reignoomood	reignoomood	Croun	
Monitoring start date	03/30/2010	08/03/2010	08/19/2010	
(MM/DD/YYYY)		20.00/2010		
Current sampling	1:1	1:1	1:1	
frequency (e.g.1:3,				
continuous)				
Calculated sampling	N/A	N/A	N/A	
frequency				
(e.g. 1:3/1:1)				
Sampling season	01/01/-12/31	01/01/-12/31	01/01/-12/31	
(MM/DD-MM/DD)				
Probe height (meters)	4	4	4	
Distance from	1.5	1.5	1.5	
supporting structure				
(meters)				
Distance from	N/A	N/A	N/A	
obstructions on roof				
(meters)				
Distance from	N/A	N/A	N/A	
obstructions not on				
roof (meters)				
Distance from trees	N/A	N/A	N/A	
(meters)			27/1	
Distance to furnace or	N/A	N/A	N/A	
incinerator flue				
(meters)	37/4	27/4	27/4	
Distance between	N/A	N/A	N/A	
collocated monitors				
(meters)	2600	2600	2600	
Unrestricted airflow	360°	360°	360°	
(degrees) Probe material for	Toflon	Toflor	Toflor	
	Teflon	Teflon	Teflon	
reactive gases (e.g. Pyrex, stainless				
steel, Teflon)				
Residence time for	4.2	5.8	5.8	
reactive gases	7.2	3.0	3.0	
(seconds)				
Will there be changes	No	No	No	
within the next 18	110	110	110	
months? (Y/N)				
11011115; (1/11)	1	L		1

Is it suitable for comparison against the annual PM2.5? (Y/N)	No	No	No	
Frequency of flow rate verification for manual PM samplers	N/A	N/A	N/A	
Frequency of flow rate verification for automated PM analyzers	N/A	N/A	N/A	
Frequency of one- point QC check for gaseous instruments	Weekly	Weekly	Weekly	
Last Annual Performance Evaluation for gaseous parameters (MM/DD/YYYY)	12/07/2016	12/07/2016`	12/08/2016	
Last two semi-annual flow rate audits for PM monitors (MM/DD/YYYY, MM/DD/YYYY)	N/A	N/A	N/A	

Riverside-Rubidoux Site Photos



Looking North from the probe.



Looking East from the probe.



Looking South from the probe.



Looking West from the probe.

Riverside-Rubidoux Site Photos (Cont.)



Looking at the probe from the North.



Looking at the probe from the East.



Looking at the probe from the South.



Looking at the probe from the West.